

Name:

UO:

4. *How would you verify that a software you have downloaded has not been altered since its author published it (assume that the author provides you with the necessary data to do so, the question is regarding the procedure to verify it that you would follow) (1 point)*

5. *An auditor has arrived to help us to implement ISO 27001 in our company, and you tell him that all the machines of the company have applied and verified all the security controls of the CIS Benchmarks corresponding to their OS. The auditor says that this is not useful to meet any criteria of the ISO 27001 standard, and that we have to start over. Is it true? Why? (1 point)*

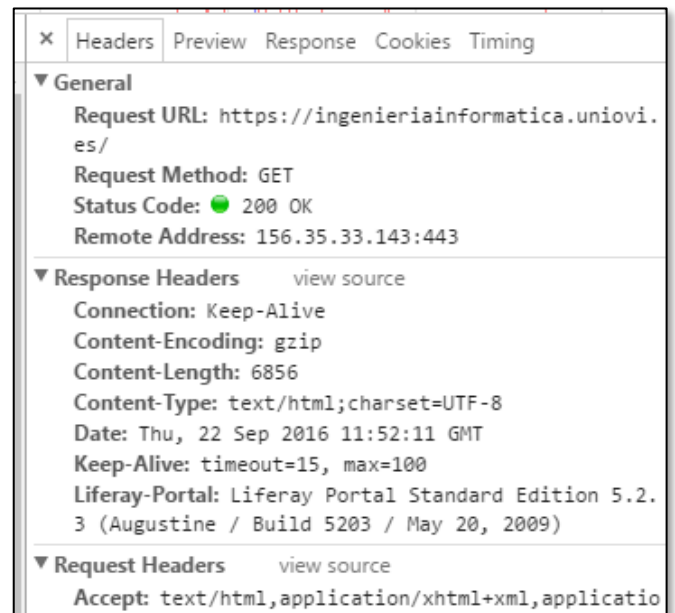
6. *You have been given this output and your boss says that it is impossible to determine if your Apache web server is vulnerable just with this information. Is he right? If not, how will you prove him wrong? (1 point)*

```
admin@ip-172-26-0-73:~$ nmap -sV scanme.nmap.org
Starting Nmap 7.40 ( https://nmap.org ) at 2020-07-22 03:00 UTC
Nmap scan report for scanme.nmap.org (45.33.32.156)
Host is up (0.077s latency).
Other addresses for scanme.nmap.org (not scanned): 2600:3c01::f03c:91ff:fe18:bb2f
Not shown: 995 closed ports
PORT      STATE      SERVICE      VERSION
22/tcp    open      ssh          OpenSSH 6.6.1p1 Ubuntu 2ubuntu2.13 (Ubuntu Linux; protocol 2.0)
25/tcp    filtered  smtp
80/tcp    open      http         Apache httpd 2.4.7 ((Ubuntu))
9929/tcp  open      nping-echo   Nping echo
31337/tcp open      tcpwrapped
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
```


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9. You have just located this into your browser development tools? What can you say about it? Can this facilitate locating security vulnerabilities? Does this website use CSP? (1 point)



10. Can you explain what happened here? What should have the program do to prevent this? (1 point)

